

Serial Number: 09/992,600A

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically **ENTERED**
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☒ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
Seq. ID 114 → in the <400> field, 30 was changed to 114
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as
- ☐ Inserted mandatory headings, specifically:
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:
- ☐ Other:

*Examiners: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/992,600A

DATE: 05/28/2002 *flb*
 TIME: 12:46:53

Input Set : N:\jumbos\09992600A.DCl.txt
 Output Set: N:\CRF3\05282002\I992600A.raw

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3 <110> APPLICANT: Benjamin, Stephane
4   Tanaka, Hiroaki
6 <120> TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
8 <130> FILE REFERENCE: 91.US4.DIV
10 <140> CURRENT APPLICATION NUMBER: US 09/992,600A
11 <141> CURRENT FILING DATE: 2001-11-13
13 <150> PRIOR APPLICATION NUMBER: US 09/924,340
14 <151> PRIOR FILING DATE: 2001-08-06
16 <150> PRIOR APPLICATION NUMBER: PCT/IB01/01715
17 <151> PRIOR FILING DATE: 2001-08-06
19 <150> PRIOR APPLICATION NUMBER: US 60/305,456
20 <151> PRIOR FILING DATE: 2001-07-13
22 <150> PRIOR APPLICATION NUMBER: US 60/302,277
23 <151> PRIOR FILING DATE: 2001-06-29
25 <150> PRIOR APPLICATION NUMBER: US 60/298,698
26 <151> PRIOR FILING DATE: 2001-06-15
28 <150> PRIOR APPLICATION NUMBER: US 60/293,574
29 <151> PRIOR FILING DATE: 2001-05-25
31 <160> NUMBER OF SEQ ID NOS: 114
33 <170> SOFTWARE: JPatent
35 <210> SEQ ID NO: 1
36 <211> LENGTH: 2016
37 <212> TYPE: DNA
38 <213> ORGANISM: Homo sapiens
40 <220> FEATURE:
41 <221> NAME/KEY: 5'UTR
42 <222> LOCATION: 1..1434
44 <220> FEATURE:
45 <221> NAME/KEY: CDS
46 <222> LOCATION: 1435..1836
48 <220> FEATURE:
49 <221> NAME/KEY: 3'UTR
50 <222> LOCATION: 1837..2016
52 <220> FEATURE:
53 <221> NAME/KEY: polyA_signal
54 <222> LOCATION: 1965..1970
56 <220> FEATURE:
57 <221> NAME/KEY: polyA_site
58 <222> LOCATION: 2001..2016
60 <400> SEQUENCE: 1
61 aaggtctctc tgcattcata caccaggaa aagccacatg aggacataac caggaagaga   60
62 gccatcacca agaaccgcga catcgcgaca cctgatctc ggactcttag ccttcagaac   120
63 cggtgccaca gttttgatga tcattctctc cccaaccaag atggtggaaa aagcaaaaaac   180

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RAW SEQUENCE LISTING

DATE: 05/28/2002

PATENT APPLICATION: US/09/992,600A

TIME: 12:46:53

Input Set : N:\jumbos\09992600A.DC1.txt

Output Set: N:\CRF3\05282002\I992600A.raw

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64 gtggtgaatc ttggagcaat ccgacaaggc atgaaacgct tccaatttct gttaaactgc 240
65 tgtgagccag ggacaattcc tgaatgctcc atccatagcag ctgccttggg tctactatgc 300
66 ggcattcttc tgattcattt ttctccattt gtgctgtttt tctctgtgat gtgaatccat 360
67 cccatcccat tatgtcatgc ctccatcttt tgctgtcttc tcagattgca ctgagccata 420
68 agaggaagcc cctgttggtg ccagagcagc ctgttctctg gaatgtgctc gttttgttca 480
69 ccgctgcaac cgtggcaact ggccagagtg gatgaaaggg caccacgtga acatcaccaa 540
70 gaaaggactt tcccggggac gctctcccat tgtgggcaac aagcgaaacc agaagctgca 600
71 gtggaatgca gccagactct tctaccaatg gggagacaag gaaaaaaggg gaagaataaa 660
72 aggaaattca agaggaccaa gtttctgcta attttagaca gagctgaaca taacacaca 720
73 taaagaggtt ccataatct ctcttttctt aaagattact tggaaatact gttacaattt 780
74 ccgttaataa ttacagtcaa tgtgtctacc aatgtgctta ccaactaagg caattggcgt 840
75 ccgattgaat gagctgtgcc acggggaaag tgagagccca gccaacctgc tgggtctcat 900
76 ttacagtcaa gagaccaaga ggagacttag aaaggaggat gaggaggaag accttttaga 960
77 tgacattcca ctttcaagtc aatacacagc tcatcttgca tttaaaagct gattatggtg 1020
78 caagcaactt tcgggctgga aattctacag aagctgtctc ttccattctc tgatgagagg 1080
79 caaagtcctc ggcaacaaat taactcagga gagaaaaatg ttctctgtaa aaaaacgata 1140
80 gcttaaatat ctacagaaga accgtaattt ccacctattt tcaaatgaaa tcgtgaaaaa 1200
81 cacatttgga ctagagctga aacaacttca ctgcctctca aacagcaaga cagacatccc 1260
82 tctataaatg aactgaatga attttatag ctccaaatct agttcactgc catatacata 1320
83 gtctaaatct gattgaatag cagcgtagaa atcttgcgaa attactccc atttctgttt 1380
84 tcgttaaaag gtactgtgaa cccctctaaa tgcggttgcc cctttgcctt gaag atg 1437
85 Met
86 1
87 gca gca tgt cag ctt ctt ctg gag att acc acc ttc ctg cga gag acc 1485
88 Ala Ala Cys Gln Leu Leu Leu Glu Ile Thr Phe Leu Arg Glu Thr
89 5 10 15
90 ttt tct tgc ctg ccc aga cct cgc act gag cct ctg gtg gct tca acg 1533
91 Phe Ser Cys Leu Pro Arg Pro Arg Thr Glu Pro Leu Val Ala Ser Thr
92 20 25 30
93 gac cac acc aaa atg cca tct caa atg gaa cac gcc atg gaa acc atg 1581
94 Asp His Thr Lys Met Pro Ser Gln Met Glu His Ala Met Glu Thr Met
95 35 40 45
96 atg ttt aca ttt cac aaa ttc gct ggg gat aaa ggc tac tta aca aag 1629
97 Met Phe Thr Phe His Lys Phe Ala Gly Asp Lys Gly Tyr Leu Thr Lys
98 50 55 60 65
99 gag gac ctg aga gta ctc atg gaa aag gag ttc cct gga ttt ttg gaa 1677
100 Glu Asp Leu Arg Val Leu Met Glu Lys Glu Phe Pro Gly Phe Leu Glu
101 70 75 80
102 aat caa aaa gac cct ctg gct gtg gac aaa ata atg aag gac ctg gac 1725
103 Asn Gln Lys Asp Pro Leu Ala Val Asp Lys Ile Met Lys Asp Leu Asp
104 85 90 95
105 cag tgt aga gat ggc aaa gtg ggc ttc cag agc ttc ttt tcc cta att 1773
106 Gln Cys Arg Asp Gly Lys Val Gly Phe Gln Ser Phe Phe Ser Leu Ile
107 100 105 110
108 ggc ggc ctc acc att gca tgc aat gac tat ttt gta gta cac atg aag 1821
109 Ala Gly Leu Thr Ile Ala Cys Asn Asp Tyr Phe Val Val His Met Lys
110 115 120 125
111 cag aag gga aag aag taggcagaaa tgagcagttc gctcctccct gataagagtt 1876
112 Gln Lys Gly Lys Lys

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RAW SEQUENCE LISTING DATE: 05/28/2002
 PATENT APPLICATION: US/09/992,600A TIME: 12:46:53

Input Set : N:\jumbos\09992600A.DC1.txt
 Output Set: N:\CRF3\05282002\I992600A.raw

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113 130
114 gtcccaaaagg gtcgettaag gaatctgccc cacagettcc cccatagaag gatttcatga 1936
115 gcaagatcagg acacttagca aatgtaaaaa taaaatctaa ctctcatttg acaagcagag 1996
116 aaagaaaaaa aaaaaaaat
118 <210> SEQ ID NO: 2
119 <211> LENGTH: 134
120 <212> TYPE: PRT
121 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 2
124 Met Ala Ala Cys Gln Leu Leu Leu Glu Ile Thr Thr Phe Leu Arg Glu
125 1 5 10 15
126 Thr Phe Ser Cys Leu Pro Arg Pro Arg Thr Glu Pro Leu Val Ala Ser
127 20 25 30
128 Thr Asp His Thr Lys Met Pro Ser Gln Met Glu His Ala Met Glu Thr
129 35 40 45
130 Met Met Phe Thr Phe His Lys Phe Ala Gly Asp Lys Gly Tyr Leu Thr
131 50 55 60
132 Lys Glu Asp Leu Arg Val Leu Met Glu Lys Glu Phe Pro Gly Phe Leu
133 65 70 75 80
134 Glu Asn Gln Lys Asp Pro Leu Ala Val Asp Lys Ile Met Lys Asp Leu
135 85 90 95
136 Asp Gln Cys Arg Asp Gly Lys Val Gly Phe Gln Ser Phe Phe Ser Leu
137 100 105 110
138 Ile Ala Gly Leu Thr Ile Ala Cys Asn Asp Tyr Phe Val Val His Met
139 115 120 125
140 Lys Gln Lys Gly Lys Lys
141 130
143 <210> SEQ ID NO: 3
144 <211> LENGTH: 1081
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
148 <220> FEATURE:
149 <221> NAME/KEY: 5'UTR
150 <222> LOCATION: 1..38
152 <220> FEATURE:
153 <221> NAME/KEY: CDS
154 <222> LOCATION: 39..917
156 <220> FEATURE:
157 <221> NAME/KEY: 3'UTR
158 <222> LOCATION: 918..1081
160 <220> FEATURE:
161 <221> NAME/KEY: polyA_signal
162 <222> LOCATION: 1045..1050
164 <220> FEATURE:
165 <221> NAME/KEY: polyA_site
166 <222> LOCATION: 1066..1081
168 <400> SEQUENCE: 3
169 gtccagcctg ttgctgatgc tgccgtgcgg tacttgtc atg gag ctg gca ctg cgg 56
170 Met Glu Leu Ala Leu Arg

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RAW SEQUENCE LISTING

DATE: 05/28/2002

PATENT APPLICATION: US/09/992,600A

TIME: 12:46:53

Input Set : N:\jumbos\09992600A.DCL.txt

Output Set: N:\CRF3\05282002\I992600A.raw

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171                                     -25                                     -20
172 cgc tct ccc gtc ccg cgg tgg ttg ctg ctg ctg ccg ctg ctg ctg ggc 104
173 Arg Ser Pro Val Pro Arg Trp Leu Leu Leu Leu Pro Leu Leu Leu Gly
174                                     -15                                     -10                                     -5
175 ctg aac gca gga gct gtc att gac tgg ccc aca gag gag gcc aag gaa 152
176 Leu Asn Ala Gly Ala Val Ile Asp Trp Pro Thr Glu Glu Gly Lys Glu
177                                     1                                     5                                     10
178 gta tgg gat tat gtg acg gtc cgc aag gat gcc tac atg ttc tgg tgg 200
179 Val Trp Asp Trp Val Thr Val Arg Lys Asp Ala Tyr Met Phe Trp Trp
180                                     15                                     20                                     25
181 ctg tat tat gcc acc aac tcc tgc aag aac ttc tca gaa ctg ccc ctg 248
182 Leu Tyr Tyr Ala Thr Asn Ser Cys Lys Asn Phe Ser Glu Leu Pro Leu
183 30                                     35                                     40                                     45
184 gtc atg tgg ctt cag gcc ggt cca gcc ggt tct agc act gga ttt gga 296
185 Val Met Trp Leu Gln Gly Gly Pro Gly Gly Ser Ser Thr Gly Phe Gly
186                                     50                                     55                                     60
187 aac ttt gag gaa att ggg ccc ctt gac agt gat ctc aaa cca cgg aaa 344
188 Asn Phe Glu Glu Ile Gly Pro Leu Asp Ser Asp Leu Lys Pro Arg Lys
189                                     65                                     70                                     75
190 acc acc tgg ctc cag gct gcc agt ctc cta ttt gtg gat aat ccc gtg 392
191 Thr Thr Trp Leu Gln Ala Ala Ser Leu Leu Phe Val Asp Asn Pro Val
192                                     80                                     85                                     90
193 gcc act ggg ttc agt tat gtg aat ggt agt ggt gcc tat gcc aag gac 440
194 Gly Thr Gly Phe Ser Tyr Val Asn Gly Ser Gly Ala Tyr Ala Lys Asp
195                                     95                                     100                                     105
196 ctg gct atg gtg gct tca gac atg atg gtt ctc ctg aag acc ttc ttc 488
197 Leu Ala Met Val Ala Ser Asp Met Met Val Leu Leu Lys Thr Phe Phe
198 110                                     115                                     120                                     125
199 agt tgc cac aaa gaa ttc cag aca gtt cca ttc tac att ttc tca gag 536
200 Ser Cys His Lys Lys Glu Phe Gln Thr Val Pro Phe Tyr Ile Phe Ser Glu
201                                     130                                     135                                     140
202 tcc tat gga gga aaa atg gca gct gcc att ggt cta gag ctt tat aag 584
203 Ser Tyr Gly Gly Lys Met Ala Ala Gly Ile Gly Leu Glu Leu Tyr Lys
204                                     145                                     150                                     155
205 gcc att cag cga ggg acc atc aag tgc aac ttt gcg ggg gtt gcc ttg 632
206 Ala Ile Gln Arg Gly Thr Ile Lys Cys Asn Phe Ala Gly Val Ala Leu
207                                     160                                     165                                     170
208 ggt gat tcc tgg atc tcc cct gtt gat tgc gtg ctc tcc tgg gga cct 680
209 Gly Asp Ser Trp Ile Ser Pro Val Asp Ser Val Leu Ser Trp Gly Pro
210                                     175                                     180                                     185
211 tac ctg tac agc atg tct ctt ctc gaa gac aaa ggt ctg gca gag gtg 728
212 Tyr Leu Tyr Ser Met Ser Leu Leu Glu Asp Lys Gly Leu Ala Glu Val
213 190                                     195                                     200                                     205
214 tct aag gtt gca gag caa gta ctg aat gcc gta aat aag ggg ctc tac 776
215 Ser Lys Val Ala Glu Gln Val Leu Asn Ala Val Asn Lys Gly Leu Tyr
216                                     210                                     215                                     220
217 aga gag gcc aca gag ctg tgg ggg aaa gca gaa atg atc att gaa cag 824
218 Arg Glu Ala Thr Glu Leu Trp Gly Lys Ala Glu Met Ile Ile Glu Gln
219                                     225                                     230                                     235

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/992,600A

DATE: 05/28/2002

TIME: 12:46:53

Input Set : N:\jumbos\09992600A.DC1.txt

Output Set: N:\CRF3\05282002\I992600A.raw

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220 gta aaa agg gga aac act cag agg cta gcc tgc ttg gct ttt tct ggt      872
221 Val Lys Arg Gly Asn Thr Gln Arg Leu Ala Cys Leu Ala Phe Ser Gly
222      240      245      250
223 ggg tac agg gcc cat ggt tgg tgt tgt caa act tgg agt cta cac      917
224 Gly Tyr Arg Ala His Gly Trp Cys Cys Gln Thr Trp Ser Leu His
225      255      260      265
226 tgaggctccc cacatatctg caaatgattg catgctggat aataaatctc ttgggtctaa 977
227 gcagtgatgt agtggctcct tacagagtca gaaagccacc caggcctgca agacttgctt 1037
228 gtccctcact aaatgtatgg attctatata aaaaaaaaaa aaaa      1081
230 <210> SEQ ID NO: 4
231 <211> LENGTH: 293
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <220> FEATURE:
236 <221> NAME/KEY: SIGNAL
237 <222> LOCATION: 1..26
239 <400> SEQUENCE: 4
240 Met Glu Leu Ala Leu Arg Arg Ser Pro Val Pro Arg Trp Leu Leu Leu
241      -25      -20      -15
242 Leu Pro Leu Leu Leu Gly Leu Asn Ala Gly Ala Val Ile Asp Trp Pro
243      -10      -5      1      5
244 Thr Glu Glu Gly Lys Glu Val Trp Asp Tyr Val Thr Val Arg Lys Asp
245      10      15      20
246 Ala Tyr Met Phe Trp Trp Leu Tyr Tyr Ala Thr Asn Ser Cys Lys Asn
247      25      30      35
248 Phe Ser Glu Leu Pro Leu Val Met Trp Leu Gln Gly Gly Pro Gly Gly
249      40      45      50
250 Ser Ser Thr Gly Phe Gly Asn Phe Glu Glu Ile Gly Pro Leu Asp Ser
251      55      60      65      70
252 Asp Leu Lys Pro Arg Lys Thr Thr Trp Leu Gln Ala Ala Ser Leu Leu
253      75      80      85
254 Phe Val Asp Asn Pro Val Gly Thr Gly Phe Ser Tyr Val Asn Gly Ser
255      90      95      100
256 Gly Ala Tyr Ala Lys Asp Leu Ala Met Val Ala Ser Asp Met Met Val
257      105      110      115
258 Leu Leu Lys Thr Phe Phe Ser Cys His Lys Glu Phe Gln Thr Val Pro
259      120      125      130
260 Phe Tyr Ile Phe Ser Glu Ser Tyr Gly Gly Lys Met Ala Ala Gly Ile
261      135      140      145      150
262 Gly Leu Glu Leu Tyr Lys Ala Ile Gln Arg Gly Thr Ile Lys Cys Asn
263      155      160      165
264 Phe Ala Gly Val Ala Leu Gly Asp Ser Trp Ile Ser Pro Val Asp Ser
265      170      175      180
266 Val Leu Ser Trp Gly Pro Tyr Leu Tyr Ser Met Ser Leu Leu Glu Asp
267      185      190      195
268 Lys Gly Leu Ala Glu Val Ser Lys Val Ala Glu Gln Val Leu Asn Ala
269      200      205      210
270 Val Asn Lys Gly Leu Tyr Arg Glu Ala Thr Glu Leu Trp Gly Lys Ala
271      215      220      225      230

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/28/2002
PATENT APPLICATION: US/09/992,600A TIME: 12:46:54

Input Set : N:\jumbos\09992600A.DC1.txt
Output Set: N:\CRF3\05282002\I992600A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; Xaa Pos. 116,233

Seq#:28; Xaa Pos. 116,233

Seq#:71; Xaa Pos. 157

Seq#:72; Xaa Pos. 156

VERIFICATION SUMMARY

DATE: 05/28/2002

PATENT APPLICATION: US/09/992,600A

TIME: 12:46:54

Input Set : N:\jumbos\09992600A.DC1.txt

Output Set: N:\CRF3\05282002\I992600A.raw

L:1487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:502
L:1508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:838
L:1554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:112
L:1568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:224
L:4106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:529
L:4173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:160



OIPE

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/992,600A

DATE: 05/17/2002
TIME: 14:19:38

Input Set : N:\EBONY'S\EP.txt
Output Set: N:\CRF3\05172002\I992600A.raw

3 <110> APPLICANT: Benjamin, Stephane
4 Tanaka, Hiroaki
6 <120> TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
8 <130> FILE REFERENCE: 91.US4.DIV
10 <140> CURRENT APPLICATION NUMBER: US 09/992,600A
11 <141> CURRENT FILING DATE: 2001-11-13
13 <150> PRIOR APPLICATION NUMBER: US 09/924,340
14 <151> PRIOR FILING DATE: 2001-08-06
16 <150> PRIOR APPLICATION NUMBER: PCT/IB01/01715
17 <151> PRIOR FILING DATE: 2001-08-06
19 <150> PRIOR APPLICATION NUMBER: US 60/305,456
20 <151> PRIOR FILING DATE: 2001-07-13
22 <150> PRIOR APPLICATION NUMBER: US 60/302,277
23 <151> PRIOR FILING DATE: 2001-06-29
25 <150> PRIOR APPLICATION NUMBER: US 60/298,698
26 <151> PRIOR FILING DATE: 2001-06-15
28 <150> PRIOR APPLICATION NUMBER: US 60/293,574
29 <151> PRIOR FILING DATE: 2001-05-25
31 <160> NUMBER OF SEQ ID NOS: 114
33 <170> SOFTWARE: JPatent

ERRORLED SEQUENCES

6715 <210> SEQ ID NO: 114
6716 <211> LENGTH: 48
6717 <212> TYPE: PRT
6718 <213> ORGANISM: Homo sapiens
6720 <220> FEATURE:
6721 <221> NAME/KEY: SIGNAL
6722 <222> LOCATION: 1..20
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6725 Met Gly Arg Thr Arg Glu Ala Gly Cys Val Ala Ala Gly Val Val Ile
6726 -20 -15 -10 -5
6727 Gly Ala Gly Ala Cys Tyr Cys Val Tyr Arg Leu Ala Trp Gly Arg Asp
6728 1 5 10
6729 Glu Asn Glu Lys Ile Trp Asp Glu Asp Glu Glu Ser Thr Asp Thr Ser
6730 15 20 25
E--> 6731 1 -delete

VERIFICATION SUMMARY

DATE: 05/17/2002

PATENT APPLICATION: US/09/992,600A

TIME: 14:19:40

Input Set : N:\EBONY'S\EP.txt

Output Set: N:\CRF3\05172002\I992600A.raw

L:1487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:502
L:1508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:838
L:1554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:112
L:1568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:224
L:4106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:529
L:4173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:160
L:6724 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:114 differs:30
L:6731 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:30